

ABSTRACT

The present invention relates to a coupling process between a peptide and at least one compound A, of a non-peptidic nature, bearing a function
5 selected from the group constituted by carboxylic acid functions and alcohol functions, characterized in that said coupling includes a step of producing, in solution, a hydrazide link between said peptide and said compound A. The present invention also relates to modified peptides essentially constituted by a peptide linked, by a hydrazide link, to at least one compound A as defined above, such as a lipid, a sugar,
10 an alcohol or a fluorescence marker, as well as to the applications of these modified peptides. The present invention further relates to the use of N,N'-tri(Boc)hydrazinoacetic and N,N'-di(Boc)hydrazinoacetic acids for functionalizing a peptide with an α -hydrazinoacetic group.